

CALL FOR ABSTRACTS



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4-7 February 2019 Hilton Head, South Carolina

The purpose of the High Temperature Polymeric Laminate (HIGH TEMPLE) Workshop is to review and discuss the latest technological developments in high-temperature polymer matrix composites with the aim of providing Government and Industry with the necessary technical data to effectively utilize these materials in aerospace applications. The material to be presented and discussed at High Temple Workshop sessions may contain information that is controlled by the International Traffic in Arms Regulations (ITAR) or the Export Administration Regulations (EAR).

Because of this, attendance will be restricted to U.S. citizens or permanent U.S. registered aliens (green card holders). Furthermore, all non-government employees must ensure that their employer is pre-registered with the Defense Logistics Service Center (DD Form 2345, Military Critical Technical Data Agreement). Attendance will be restricted to U.S. Government Agencies and private individuals or enterprises eligible to obtain export-controlled technical data.

Registration Fee: \$650

Includes the following:

- Light breakfasts Tuesday-Thursday
- Lunch on Tuesday and Wednesday
- Dinner on Wednesday evening
- Snacks and refreshments
- Access to proceedings

Accommodations:

Hilton Head Marriott Resort and Spa

Phone: (843) 686-8400

Website: <http://www.marriott.com/hotels/travel/hhhgr-hilton-head-marriott-resort-and-spa/>

Group rate: \$127 +state and local taxes per night.

A limited number of rooms will also be available at the 2019 prevailing government per diem rate for government and US military traveling on official duty. Non-government employees are not eligible for the government rate.

Getting There:

Nearest Airports:

- Hilton Head Island Airport (6 miles)
- Savannah Airport (47 miles)

High Temple Administrator:

For more information contact:

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High Temple Website:

<http://hightemple.udri.udayton.edu>



Next Announcement: Invitation in October 2018

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Submission Instructions

ABSTRACTS ARE DUE MONDAY SEPTEMBER 24, 2018!

An abstract of the presentation material must be submitted no later than September 24, 2018. Abstracts received after this date will be considered for the program only on a space-available basis. Time provided for presentations will be 30 minutes and shall include sufficient time for interaction and questions from the audience and session chair. Presenters should be prepared to fully interact with the audience and session chair throughout the presentation. The audience is encouraged to pose questions to the presenter at any time during the presentation. Topics of interest for the workshop include:

1. High temperature organic matrix composite materials and processing developments
2. Novel high temperature polymers and resin chemistries
3. Advances in high temperature adhesive bonding materials and processes
4. Aerospace and missile applications for high temperature polymers, resins and composites
5. New and innovative applications for high temperature polymers, resins and composites
6. Advances in high temperature organic matrix composite mechanics, testing methodologies and modeling
7. Environmental aging and degradation mechanisms of high temperature polymers and organic matrix composites
8. High temperature polymers for additive manufacturing

Attendance Restriction

Attendance to the High Temple Workshop will be restricted to U.S. Government Agencies and private individuals or enterprises holding a valid DD 2345 Technical Share Agreement from the DoD and eligible to obtain export-controlled technical data.

Any material presented at High Temple must not exceed this restriction. Any materials marked with a copyright statement will NOT be authorized for presentation at High Temple. By submitting an abstract to the High Temple Workshop, you are agreeing that the presented material does not exceed the limitations and further agree that the presented material can be placed in the High Temple Virtual Library and/or the DTIC database.

Please e-mail all abstracts in Microsoft Word format using the attached abstract as an example. Please limit the abstract to 100 words or less. Send all abstracts to:

Dan McCray
UDRI
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e-mail: daniel.mccray@udri.udayton.edu

EXAMPLE

Title → Butter-Mac 1000® Resin: The Solution to Many of the World's Problems

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Sponsoring Organization → Sponsoring Organization: Vandelay Industries

Abstract (100 words or less)

ABSTRACT

Durability, producibility, and affordability are all key factors when launching a new line of composite resin systems. Butters Conglomerates and Excellence Incorporated have been evaluating several resin chemistries applicable for a variety of applications in the aerospace, maritime, and rehabilitation markets. Their final product, named Butter-Mac 1000®, yielded respectable flexure strengths, mediocre thermal oxidative stability, and superior marketability. At \$10,000 per pound, the affordability still needs work, but identification of affordable monomer sources should significantly decrease the cost. This presentation will provide the test results and provide a path forward for reducing costs.